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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,241	06/27/2003	Elias Jonsson	P17507-US2	8596
27045 ERICSSON IN	7590 05/02/2007	•	EXAM	INER
6300 LEGACY DRIVE			BURD, KEVIN MICHAEL	
M/S EVR 1-C- PLANO, TX 7:			ART UNIT	PAPER NUMBER
ŕ			2611	
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			MAIL DATE	DELIVERY MODE
			05/02/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)
	10/608,241	JONSSON, ELIAS
Office Action Summary	Examiner	Art Unit
	Kevin M. Burd	2611
The MAILING DATE of this communication Period for Reply	appears on the cover sheet w	ith the correspondence address
A SHORTENED STATUTORY PERIOD FOR RI WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communicatio - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by s Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNION R 1.136(a). In no event, however, may a r n. eriod will apply and will expire SIX (6) MON statute, cause the application to become AB	CATION. reply be timely filed ITHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
Status		
_	22 Fobruary 2007	
· · · · · · · · · · · · · · · · · · ·	This action is non-final.	
3) Since this application is in condition for all	•	ters prosecution as to the morite is
closed in accordance with the practice und	•	, •
Disposition of Claims		•
4)⊠ Claim(s) <u>1-35</u> is/are pending in the applica	ation.	•
4a) Of the above claim(s) is/are with		
5) Claim(s) is/are allowed.	hop.	·
6)⊠ Claim(s) <u>1-35</u> is/are rejected.	*	
7) Claim(s) is/are objected to.	•	
8) Claim(s) are subject to restriction a	nd/or election requirement.	•
Application Papers	• '	
9) The specification is objected to by the Exa	miner.	
10) The drawing(s) filed on is/are: a)		by the Examiner
Applicant may not request that any objection to	• • •	·
Replacement drawing sheet(s) including the co	* * * * * * * * * * * * * * * * * * * *	` ·
11) The oath or declaration is objected to by the	•	
Priority under 35 U.S.C. § 119	:	
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:	reign priority under 35 U.S.C. §	§ 119(a)-(d) or (f).
1.☐ Certified copies of the priority docur	nents have been received	
2. ☐ Certified copies of the priority docur		unolication No
3. Copies of the certified copies of the		····
application from the International Bu	•	
* See the attached detailed Office action for a	, , , , , , , , , , , , , , , , , , , ,	received.
Attachment(s)	🗖 .	
1)		Summary (PTO-413) s)/Mail Date
3) Information Disclosure Statement(s) (PTO/SB/08)	5) Notice of I	nformal Patent Application
Paper No(s)/Mail Date	6) Other:	·

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1. This office action, in response to the remarks filed 2/23/2007, is a final office action.

Response to Arguments

2. Applicant's arguments filed 2/23/2007 have been fully considered but they are not persuasive. Applicant states Wang et al (2001/0028677) was published 10/11/2001 and the present application claims priority to a provisional application filed 9/23/2002 and Wang is co-owned by the assignee of the present application. Applicant further states a declaration of common ownership was filed 2/23/2007 and excludes Wang as a reference under 35 USC 103(a). The examiner disagrees. The declaration of common ownership is insufficient to overcome the previous rejection of the claims. MPEP 706.02(I)(2) states "Under 35 U.S.C. 103(c), an applicant's admission that subject matter was developed prior to applicant's invention would not make the subject matter prior art to applicant if the subject matter qualifies as prior art only under sections 35 U.S.C. 102(e), (f), or (g), and if the subject matter and the claimed invention were commonly owned at the time the invention was made! See In re Fout, 675 F.2d 297, 213 USPQ 532 (CCPA 1982), for a decision involving an applicant's admission which was used as prior art against their application. If the subject matter and invention were not commonly owned, an admission that the subject matter is prior art would be usable. under 35 U.S.C. 103." Wang et al (US 2001/0028677) was published prior to the instant application's effective filing date and qualifies as prior art under section 35 U.S.C. 102(a).

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3. The rejection of claims 24-34 under 35 U.S.C. 101 is maintained.

For these reasons and the reasons stated above, the previous rejections of the claims are maintained.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

4. Claims 24-34 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. Claims 24-34 claim a computer readable storage medium. The specification discloses the computer readable storage medium can be a signal on page 5, lines 13-25. A signal is non-statutory subject matter since it is energy not matter. In addition, the specification discloses the computer readable storage medium can be paper. Instructions written on a sheet of paper is non-statutory since the sheet of paper is not a computer component.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

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5. Claims 1-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang et al (US 2001/0028677) in view of Newson et al (US 6,320,898).

Regarding claims 1, 9, 11-13, 20, 22-24, 31 and 33-35, Wang discloses a method, system, computer product and electronic device for selecting delays for a RAKE receiver (title). Multi-path signals are received corresponding to a set of delays as shown in figure 6. Each of the signals has a corresponding signal-to-noise ratio (SNR). Time offset versions of the composite signal are generated at respective time offsets that are selected based on the time offsets between the received multi-path versions of the composite signal (paragraph 0036). A subset of these time offsets are selected for combining and a weighted combination of the correlations corresponding to the selected time offsets are used to estimate information encoded in the transmitted signal (paragraph 0036). The act of selecting the subset of time offsets comprises determining performance metrics and they are selected based on the improvement in the values of the performance metrics (paragraph 0038). The performance metric is SNR (paragraph 0038). Filtering of the received signal is done in the receiver (paragraph 0044). Once a subset is selected, the corresponding delays are used in the correlation unit (paragraphs 0047 and 0052). The subset is weighted in weighting combiner 415. The weighting combiner can eliminate a signal by using a weighting factor of zero. These components are used in the RAKE receiver shown in figure 6. Wang does not disclose averaging the SNR values. Newson discloses the SNR values determined from the correlation values are averaged (column 3, lines 58-65). Averaging removes or lessens the impact of one time events that are not typically received and adversely effect the

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normal processing of signals. For this reason, it would have been obvious for one of ordinary skill in the art at the time of the invention to use the averaging of SNR values taught by Newson in the system and method of Wang.

Regarding claims 2, 3, 14 and 25, the steps will be carried out in the receiver of a mobile terminal.

Regarding claims 4, 15 and 26, as stated above the subset is chosen according to a performance metric such as SNR.

Regarding claims 5, 6, 10, 16, 17, 21, 27, 28 and 32, the delays are selected according to performance metrics. Delays within any value can be selected.

Regarding claims 7, 8, 18, 19, 29 and 30, as stated above, the subset is weighted in the weighting combiner 415.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin M. Burd whose telephone number is (571) 272-3008. The examiner can normally be reached on Monday - Friday 9 am - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay Patel can be reached on (571) 272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kevin M. Burd 4/29/2007

KEVIN BURD PRIMARY EXAMINER